

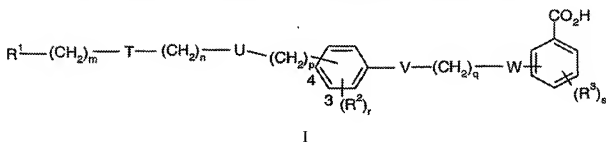
In the Claims:

The current status of all claims is listed below and supersedes all previous lists of claims.

Please cancel claims 1-3, 7, 8, 13, and 14 without prejudice to their presentation in another application, amend claims 6, 10, and 11, and add new claims 15-20 as follows:

1-5. (canceled).

6. (currently amended) A compound ~~according to claim 1 in which~~ of formula I



wherein:

R¹ represents aryl optionally substituted by a heterocyclic group or a heterocyclic group optionally substituted by aryl wherein each aryl or heterocyclic group is optionally substituted by one or more of the following groups:

a C₁₋₆alkyl group;

a C₁₋₆acyl group;

arylC₁₋₆alkyl, wherein the alkyl, aryl, or alkylaryl group is optionally substituted by one or more R^b;

halogen;

-CN and NO₂;

-NR^cCOOR^a;

-NR^cCOR^a;

-NR^cR^a;

-NR^cSO₂R^d;

-NR^cCONR^kR^c;

-NR^cCSNR^aR^k,-OR^a,-OSO₂R^d,-SO₂R^d,-SOR^d,-SR^c,-SO₂NR^aR^f,-SO₂OR^a,-CONR^cR^a,-OCONR^fR^a,

wherein R^a represents H, a C₁₋₆alkyl group, aryl or arylC₁₋₆alkyl group wherein the alkyl, aryl or arylC₁₋₆alkyl group is optionally substituted one or more times by R^b, wherein R^b represents C₁₋₆alkyl, aryl, arylC₁₋₆alkyl, cyano, -NR^cR^d, =O, halo, -OH, -SH, -OC₁₋₄alkyl, -Oaryl, -OC₁₋₄alkylaryl, -COR^c, -SR^d, -SOR^d, or -SO₂R^d, wherein R^c represents H, C₁₋₄alkyl, aryl, arylC₁₋₄alkyl and R^d represents C₁₋₄alkyl, aryl, arylC₁₋₄alkyl;

wherein R^f represents hydrogen, C₁₋₄alkyl, C₁₋₄acyl, aryl, arylC₁₋₄alkyl and R^a is as defined above; and

R^k represents hydrogen, C₁₋₄alkyl, aryl, aryl C₁₋₄alkyl;

the group -(CH₂)_m-T-(CH₂)_n-U-(CH₂)_p- is attached at either the 3 or 4 position in the phenyl ring as indicated by the numbers in formula I and represents a group selected from one or more of the following: O(CH₂)₂, O(CH₂)₃, NC(O)NR⁴(CH₂)₂, CH₂S(O₂)NR⁵(CH₂)₂, CH₂N(R⁶)C(O)CH₂, (CH₂)₂N(R⁶)C(O)(CH₂)₂, C(O)NR⁷CH₂, C(O)NR⁷(CH₂)₂, and CH₂N(R⁶)C(O)CH₂O;

V represents O;

q represents 1;

W represents a single bond;

R² represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, CN or NO₂;

r represents 0, 1, 2 or 3;

R³ represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, or CN;

s represents 0, 1, 2 or 3; and

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹ and R¹⁰ independently represent H, a C₁₋₁₀alkyl group, aryl or an arylC₁₋₄alkyl group or when m is 0 and T represents a group N(R⁶)C(O) or a group (R⁵)NS(O₂) then R¹ and R⁶ or R¹ and R⁵ together with the nitrogen atom to which they are attached represent a heteroaryl group;

or a pharmaceutically acceptable salts thereof;

with the proviso that:

1) when R¹ is phenyl optionally substituted by one or two groups independently selected from halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro;

m is 1;

T is N(R⁶)C(O) wherein R⁶ represents a C₂₋₈alkyl group which is optionally interrupted by oxygen;

n is 1;

U is absent or represents methylene;

p is 0;

r is 0;

V is O;

q is 1; and

W is a single bond attached to the position ortho to the carboxylic acid group;

then s does not represent 0;

wherein the group -V-(CH₂)_q-W- is joined at the ortho position with respect to the carboxylic acid group.

7-8. (canceled).

9. (previously presented) A compound selected from one or more of the following:

2-{{[4-(2-oxo-2-{{[4-(trifluoromethyl)benzyl]amino}ethyl})phenoxy]methyl}benzoic acid;

2-[(3-{2-[benzyl(hexyl)amino]-2-oxoethyl}phenoxy)methyl]benzoic acid;
 2-{[3-(2-oxo-2-{[4-(trifluoromethyl)benzyl]amino}ethyl)phenoxy]methyl}benzoic acid;
 2-[(4-{3-[[2-(3,4-dimethoxyphenyl)ethyl](methyl)amino]-3-oxopropyl}phenoxy)-
 15 methyl]benzoic acid;

2-[(4-{2-[(4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl}carbonyl)amino]-
 ethyl}phenoxy)methyl]benzoic acid;

2-[(4-{2-[(2,4-difluorophenyl)amino]carbonyl}amino)ethyl]phenoxy;methyl]benzoic
 acid;

2-[(4-{2-[(2-methyl-5-phenyl-3-furoyl)amino]ethyl}phenoxy)methyl]benzoic acid;

2-[(4-{2-[(benzylsulfonyl)amino]ethyl}phenoxy)methyl]benzoic acid;

2-[(4-{2-[benzyl(hexyl)amino]-2-oxoethyl}-2-fluorophenoxy)methyl]benzoic acid;

2-[(4-{2-[benzyl(hexyl)amino]-2-oxoethyl}-2-methoxyphenoxy)methyl]benzoic acid;

2-{[4-{3-(3,4-dihydroisoquinolin-2(1H)-yl)-3-oxopropyl}phenoxy)methyl]benzoic acid;

2-[(4-{2-[4-(1H-imidazol-1-yl)phenoxy]ethyl}-phenoxy)methyl]benzoic acid;

2-[(4-{2-{4-[(methylsulfonyl)oxy]phenoxy}ethyl}phenoxy)methyl]benzoic acid;

2-[(3-{2-[4-(benzyloxy)phenoxy]ethyl}phenoxy)methyl]benzoic acid;

2-{[3-(2-{4-[(methylsulfonyl)oxy]phenoxy}ethyl)phenoxy]methyl]benzoic acid;

2-[(3-{2-[4-(hydroxyphenoxy)ethyl]phenoxy}methyl]benzoic acid;

2-[(4-{3-[4-(benzyloxy)phenoxy]propyl}phenoxy)methyl]benzoic acid;

2-{[4-{3-{4-[(methylsulfonyl)oxy]phenoxy}propyl}phenoxy]methyl]benzoic acid;

2-[(4-{3-(4-hydroxyphenoxy)propyl}phenoxy)methyl]benzoic acid;

2-{[4-(3-{[2-(2-ethoxyphenyl)ethyl]amino}-3-oxopropyl)phenoxy]methyl]benzoic

acid;

2-[(4-{3-[ethyl(2-pyridin-2-ylethyl)amino]-3-oxopropyl}phenoxy)methyl]benzoic acid;

2-{[4-(2-{heptyl[2-(2-methoxyphenyl)ethyl]amino]-2-oxoethyl}phenoxy)methyl]

benzoic acid;

2-[(4-{2-[[2-(4-chlorophenyl)ethyl](heptyl)amino]-2-oxoethyl}phenoxy)methyl]benzoic

acid;

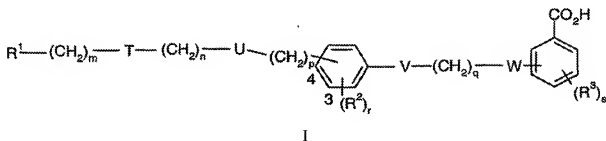
2-[(4-{2-[heptyl(2-phenylethyl)amino]-2-oxoethyl}-phenoxy)methyl]benzoic acid; and

2-[(4-{2-[ethyl(2-fluorobenzyl)amino]-2-oxoethoxy}phenoxy)methyl]benzoic acid;

or a pharmaceutically acceptable salt thereof.

10. (currently amended) A pharmaceutical formulation comprising a compound according to ~~claim 4~~ claim 6 in admixture with a pharmaceutically acceptable adjuvant, diluent, and/or carrier.

11. (currently amended) A method of treating insulin resistance comprising the administration of a compound ~~according to claim 1~~ to a mammal in need thereof, wherein the compound is of formula I



wherein:

R¹ represents aryl optionally substituted by a heterocyclic group or a heterocyclic group optionally substituted by aryl wherein each aryl or heterocyclic group is optionally substituted by one or more of the following groups:

a C₁₋₆alkyl group;

a C₁₋₆acyl group;

aryl/C₁₋₆alkyl, wherein the alkyl, aryl, or alkylaryl group is optionally substituted by one or more R^b;

halogen;

-CN and NO₂;

-NR^cCOOR^a;

-NR^cCOR^a;

-NR^cR^a;

-NR^cSO₂R^d;

-NR^cCONR^kR^c;

-NR^cCSNR^aR^k,-OR^a,-OSO₂R^d,-SO₂R^d,-SOR^d,-SR^c,-SO₂NR^aR^f,-SO₂OR^a,-CONR^cR^a,-OCONR^fR^a,

wherein R^a represents H, a C₁₋₆alkyl group, aryl or arylC₁₋₆alkyl group wherein the alkyl, aryl or arylC₁₋₆alkyl group is optionally substituted one or more times by R^b, wherein R^b represents C₁₋₆alkyl, aryl, arylC₁₋₆alkyl, cyano, -NR^cR^d, =O, halo, -OH, -SH, -OC₁₋₄alkyl, -Oaryl, -OC₁₋₄alkylaryl, -COR^c, -SR^d, -SOR^d, or -SO₂R^d, wherein R^c represents H, C₁₋₄alkyl, aryl, arylC₁₋₄alkyl and R^d represents C₁₋₄alkyl, aryl, arylC₁₋₄alkyl;

wherein R^f represents hydrogen, C₁₋₄alkyl, C₁₋₄acyl, aryl, arylC₁₋₄alkyl and R^a is as defined above; and

R^k represents hydrogen, C₁₋₄alkyl, aryl, aryl C₁₋₄alkyl;

the group -(CH₂)_m-T-(CH₂)_n-U-(CH₂)_p- is attached at either the 3 or 4 position in the phenyl ring as indicated by the numbers in formula I and represents a group selected from one or more of the following: O(CH₂)₂, O(CH₂)₃, NC(O)NR⁴(CH₂)₂, CH₂S(O₂)NR⁵(CH₂)₂, CH₂N(R⁶)C(O)CH₂, (CH₂)₂N(R⁶)C(O)(CH₂)₂, C(O)NR⁷CH₂, C(O)NR⁷(CH₂)₂, and CH₂N(R⁶)C(O)CH₂O;

V represents O;

q represents 1;

W represents a single bond;

R² represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, CN or NO₂;

r represents 0, 1, 2 or 3;

R³ represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, or CN;

s represents 0, 1, 2 or 3; and

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹ and R¹⁰ independently represent H, a C₁₋₁₀alkyl group, aryl or an arylC₁₋₄alkyl group or when m is 0 and T represents a group N(R⁶)C(O) or a group (R⁵)NS(O₂) then R¹ and R⁶ or R¹ and R⁵ together with the nitrogen atom to which they are attached represent a heteroaryl group;

or a pharmaceutically acceptable salts thereof;

with the proviso that:

1) when R¹ is phenyl optionally substituted by one or two groups independently selected from halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro;

m is 1;

T is N(R⁶)C(O) wherein R⁶ represents a C₂₋₈alkyl group which is optionally interrupted by oxygen;

n is 1;

U is absent or represents methylene;

p is 0;

r is 0;

V is O;

q is 1; and

W is a single bond attached to the position ortho to the carboxylic acid group; then s does not represent 0.

12-14. (canceled).

15. (new) The method of claim 11 wherein the group -V-(CH₂)_q-W- of the compound is joined at the ortho position with respect to the carboxylic acid group.

16. (new) The method of claim 11 wherein the compound is chosen from:

- 2-{{4-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy}methyl}benzoic acid;
- 2-{{3-{{2-{{benzyl(hexyl)amino}-2-oxoethyl}phenoxy}methyl}benzoic acid;
- 2-{{3-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy}methyl}benzoic acid;
- 2-{{4-{{3-[[2-(3,4-dimethoxyphenyl)ethyl](methyl)amino]-3-oxopropyl}phenoxy}-

15 methyl}benzoic acid;

2-{{4-{{2-[[{{4-methyl-2-{{4-(trifluoromethyl)phenyl}-1,3-thiazol-5-yl}carbonyl}amino}-ethyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{{{2-(4-difluorophenyl)amino}carbonyl}amino}ethyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{(2-methyl-5-phenyl-3-furoyl)amino}ethyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{(benzylsulfonyl)amino}ethyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{benzyl(hexyl)amino}-2-oxoethyl}-2-fluorophenoxy}methyl}benzoic acid;

2-{{4-{{2-{{benzyl(hexyl)amino}-2-oxoethyl}-2-methoxyphenoxy}methyl}benzoic acid;

2-{{4-{{3-{{3,4-dihydroisoquinolin-2(1H)-yl}-3-oxopropyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{4-{{1H-imidazol-1-yl}phenoxy}ethyl}-phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{4-{{(methylsulfonyl)oxy}phenoxy}ethyl}phenoxy}methyl}benzoic acid;

2-{{3-{{2-{{4-{{(benzyloxy)phenoxy}ethyl}phenoxy}methyl}benzoic acid;

2-{{3-{{2-{{4-{{(methylsulfonyl)oxy}phenoxy}ethyl}phenoxy}methyl}benzoic acid;

2-{{3-{{2-{{4-{{hydroxyphenoxy}ethyl}phenoxy}methyl}benzoic acid;

2-{{4-{{3-{{4-{{(benzyloxy)phenoxy}propyl}phenoxy}methyl}benzoic acid;

2-{{4-{{3-{{4-{{(methylsulfonyl)oxy}phenoxy}propyl}phenoxy}methyl}benzoic acid;

2-{{4-{{3-{{4-{{hydroxyphenoxy}propyl}phenoxy}methyl}benzoic acid;

2-{{4-{{3-{{2-{{2-ethoxyphenyl}ethyl}amino}-3-oxopropyl}phenoxy}methyl}benzoic

acid;

2-{{4-{{3-{{ethyl(2-pyridin-2-ylethyl)amino}-3-oxopropyl}phenoxy}methyl}benzoic acid;

2-{{4-{{2-{{heptyl[2-{{2-methoxyphenyl}ethyl}amino]-2-oxoethyl}phenoxy}methyl}

benzoic acid;

2-{{4-{{2-{{2-{{4-chlorophenyl}ethyl}(heptyl)amino]-2-oxoethyl}phenoxy}methyl}benzoic

acid;

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2-[(4-{2-[heptyl(2-phenylethyl)amino]-2-oxoethyl}-phenoxy)methyl]benzoic acid; and
2-[(4-{2-[ethyl(2-fluorobenzyl)amino]-2-oxoethoxy}phenoxy)methyl]benzoic acid;
or a pharmaceutically acceptable salt thereof.

17. (new) The method of claim 11 wherein R^1 represents phenyl which is optionally substituted by one or more of the following: halo, hydroxy, a C_{1-4} alkyl group which is optionally substituted by one or more fluoro, a C_{1-4} alkoxy group which is optionally substituted by one or more fluoro, benzyloxy, a C_{1-4} alkylsulphonyloxy group, phenyl or a heteroaryl group, or R^1 represents heteroaryl which is optionally substituted by one or more of the following: halo, a C_{1-4} alkyl group which is optionally substituted by one or more fluoro, a C_{1-4} alkoxy group which is optionally substituted by one or more fluoro or phenyl optionally substituted by one or more of the following: halo, a C_{1-4} alkyl group which is optionally substituted by one or more fluoro, a C_{1-4} alkoxy group which is optionally substituted by one or more fluoro.

18. (new) The method of claim 11 wherein the group $-(CH_2)_m-T-(CH_2)_n-U-(CH_2)_p-$ is attached at the 4 position in the phenyl ring as indicated by the numbers in formula I, that is para to the group V.

19. (new) The method of claim 11 wherein R^2 is halo, a C_{1-4} alkyl group or a C_{1-4} alkoxy group and r is 0 or 1.

20. (new) The method of claim 11 wherein s is 0.